

2 June 2022

File Ref: OIAP-7-24261

By email: [REDACTED]

Tēnā koe [REDACTED],

### **Request for information 2022-061**

I refer to your request for information dated 9 May 2022, which was received by Greater Wellington Regional Council (Greater Wellington) on the same day. You have requested the following:

1. *"The estimated sequestration potential of reforesting Belmont Regional Park farmland (in annual tCO<sub>2</sub>e) and;*
2. *I also note that the order paper of the Climate Committee of 19 October 2021 says on page 15 that "the 'Reclothing Papatuanuku Parks Restoration Plan' is in progress. In order to provide context for the above can I please be provided with this document in its most up to date form."*

### **Greater Wellington's response follows:**

1. Please refer to **Attachment 1** Emission Calculations Extract. This file contains carbon sequestration calculations for the planned restoration work in Greater Wellington's regional parks, including Belmont Regional Park. The scenario labelled 'P1.5' was the one used and resourced in the Council's 2021-2024 Long Term Plan. Note that a carbon calculation for Belmont was not specifically carried out. Instead, the amount of projected grazing retirement and replanting in hectares in each year across all parks land in scenario P1.5 was totalled, and then the subsequent emissions sequestration and grazing emissions abatement associated with that land area was calculated using the NZ Government's Climate Implications of Policy (CIPA) tool.
2. The part of your request for a copy of 'Reclothing Papatūānuku Parks Restoration Plan' is refused under section 17(e) of the Local Government Official Information and Meetings Act 1987 on the grounds that the information requested does not exist and is therefore not held by Greater Wellington.

If you have any concerns with the decision(s) referred to in this letter, you have the right to request an investigation and review by the Ombudsman under section 27(3) of the Local Government Official Information and Meetings Act 1987.

**Additional Information**

Although as advised above, Greater Wellington does not have a copy or draft copy of this document, to date there have been three internal workshops and some informal meetings with park restoration groups to inform them of the work that is planned. Greater Wellington's mana whenua partners are interested in this plan and the subsequent delivery of it. Options are currently being explored as to how Greater Wellington will partner with mana whenua prior to completing the draft 'Reclothing Papatūānuku Parks Restoration Plan'.

Please note that it is our policy to proactively release our responses to official information requests where possible. Our response to your request will be published shortly on Greater Wellington's website with your personal information removed.

Nāku iti noa, nā



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Kaiwhakahaere Matua - Whakahaere Taiao | General Manager Environment Management

Attachment (1)

P1.5	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035
gross emissions baseline - grazing licenses	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7	8532.7
<b>Gross emissions projections</b>	8532.7	7857.267047	7407.877192	6958.487337	6502.94084	5828.856057	5154.771274	4480.686491	3806.601709	3132.516926	2458.432143	1784.347	1784.347	1784.347	1784.347	71,042.87
<b>Forestry emissions/removals projections</b>	0	675.4329526	449.3898553	449.3898553	455.5464963	674.084783	674.084783	674.084783	674.084783	674.084783	674.084783	674.0848	0	0	0	0
<b>Cumulative totals at 2025 and 2030</b>		-531.2610983	-1452.860348	-2132.31383	-2842.862406	-3589.630259	-4649.149243	-5749.941696	-6887.56343	-8057.570257	-9255.517988	-10477	-11717.5	-12087.1	-12409.6	-12685
<b>Net emissions projections</b>	<b>8,532.70</b>	<b>7,326.01</b>	<b>5,955.02</b>	<b>4,826.17</b>	<b>3,660.08</b>	<b>2,239.23</b>	<b>505.62</b>	<b>-1,269.26</b>	<b>-3,080.96</b>	<b>-4,925.05</b>	<b>-6,797.09</b>	<b>-8,692.62</b>	<b>-9,933.11</b>	<b>#####</b>	<b>#####</b>	<b>#####</b>
<b>Policy impact</b>	0.00	-1562.64	-2659.76	-3790.63	-4966.55	-6971.58	-9039.65	-11164.84	-13341.22	-15562.88	-17823.88	-20118.30	-14132.35	-14563.84	-14939.00	-15257.81

2030	
gross emissions reductions	6748.35
% of carbon footprint	16%
net emissions reductions	-16003.87
% of carbon footprint	-37%

2019 corp carbon footprint 42,745.00

PROACTIVE RELEASE



CIPA tool for estimating changes in greenhouse gas emissions

Land use, land use change and forestry assumptions

Additional information																																								
These assumptions are based on Ministry for the Environment's analysis using information sourced from New Zealand's Greenhouse Gas Inventory.																																								
Afforestation																																								
There are biomass and soil losses associated with each event. The biomass loss is from the previous land use's biomass and that occurs within the year of conversion. The soils losses occur linearly over a 20 year period. The biomass gains (from afforestation) occur over a 28 year period and overlap the next event.																																								
	Unit	year 1	year 2	year 3	year 4	year 5	year 6	year 7	year 8	year 9	year 10	year 11	year 12	year 13	year 14	year 15	year 16	year 17	year 18	year 19	year 20	year 21	year 22	year 23	year 24	year 25	year 26	year 27	year 28	year 29	year 30	year 31	Additional notes							
Planted forest	Biomass loss	CO2-e	20.6																														The biomass loss occurs within the year of conversion.							
	Biomass gains	CO2-e	-22.6	-1.06	-3.37	-5.28	-21.23	-23.83	-34.10	-48.36	-39.12	-37.07	-33.51	-31.75	-32.82	-35.09	-37.11	-38.32	-39.27	-40.00	-40.30	-40.30	-40.22	-40.19	-40.44	-40.81	-1.69	0.00	0.00	0.00	0.00	0.00	0.00	Based on LUCAS yield tables						
	Net change in biomass	CO2-e	-1.9	-1.1	-3.4	-5.3	-21.2	-23.8	-34.1	-48.4	-39.1	-37.1	-33.5	-31.8	-32.8	-35.1	-37.1	-38.3	-39.3	-40.0	-40.3	-40.3	-40.2	-40.2	-40.4	-40.8	-1.7	0.0	0.0	0.0	0.0	0.0	0.0	Sum of biomass gains and losses						
	Soil losses / gains	CO2-e	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	IE	Included elsewhere						
	Total	CO2-e	-1.9	-1.1	-3.4	-5.3	-21.2	-23.8	-34.1	-48.4	-39.1	-37.1	-33.5	-31.8	-32.8	-35.1	-37.1	-38.3	-39.3	-40.0	-40.3	-40.3	-40.2	-40.2	-40.4	-40.8	-1.7	0.0	0.0	0.0	0.0	0.0	0.0	Sum of total change in biomass and soil losses / gains						
Additional notes																																								
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Included elsewhere																																								
Sum of total change in biomass and soil losses / gains																																								
	Unit	Emission factor																													Additional notes									
Natural forest	Biomass loss	CO2-e	0.00																														The biomass loss occurs within the year of conversion.							
	Biomass gains	CO2-e	0.00	-5.90	-6.29	-6.64	-6.96	-7.25	-7.52	-7.75	-7.96	-8.13	-8.28	-8.39	-8.48	-8.53	-8.56	-8.56	-8.52	-8.46	-8.37	-8.25	-8.10	-7.92	-7.71	-7.47	-7.20	-6.90	-6.67	-6.21	0.00	0.00	0.00	Based on LUCAS yield tables						
	Net change in biomass	CO2-e	0.00	-5.90	-6.29	-6.64	-6.96	-7.25	-7.52	-7.75	-7.96	-8.13	-8.28	-8.39	-8.48	-8.53	-8.56	-8.56	-8.52	-8.46	-8.37	-8.25	-8.10	-7.92	-7.71	-7.47	-7.20	-6.90	-6.67	-6.21	0.00	0.00	0.00	Sum of biomass gains and losses						
	Soil losses / gains	CO2-e	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Included elsewhere						
	Total	CO2-e	0.00	-5.90	-6.29	-6.64	-6.96	-7.25	-7.52	-7.75	-7.96	-8.13	-8.28	-8.39	-8.48	-8.53	-8.56	-8.56	-8.52	-8.46	-8.37	-8.25	-8.10	-7.92	-7.71	-7.47	-7.20	-6.90	-6.67	-6.21	0.00	0.00	0.00	Sum of total change in biomass and soil losses / gains						
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	Unit	Emission factor																													Additional notes									
Planted forest	Biomass loss	CO2-e	967.32																														The biomass loss occurs within the year of conversion.							
	Biomass gains	CO2-e	-13.34	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	0	0	0	Based on LUCAS yield tables					
	Net change in biomass	CO2-e	953.98	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	-0.22	0.00	0.00	0.00	Sum of biomass gains and losses					
	Soil losses / gains	CO2-e	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	0.00	0.00	0.00	0.00			
	Total	CO2-e	951.94	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	0.00	0.00	0.00	Sum of total change in biomass and soil losses / gains		
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	Unit	Emission factor																													Additional notes									
Natural forest	Biomass loss	CO2-e	18.40	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	0	0	0	The biomass loss occurs within the year of conversion.					
	Biomass gains	CO2-e	-18.40	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	0.00	0.00	0.00	Based on LUCAS yield tables		
	Net change in biomass	CO2-e	810.72	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	-0.06	0.00	0.00	0.00	Sum of biomass gains and losses		
	Soil losses / gains	CO2-e	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	-2.22	0.00	0.00		
	Total	CO2-e	808.50	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	-2.28	0.00	0.00	0.00
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